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OIEP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/858,349

DATE: 08/08/2001

TIME: 11:11:40

Input Set : A:\87534-2800.ST25.txt

Output Set: N:\CRF3\08082001\I858349.raw

3 <110> APPLICANT: PLAKSIN, Daniel
 5 <120> TITLE OF INVENTION: SMALL FUNCTIONAL UNITS OF ANTIBODY HEAVY CHAIN VARIABLE
 REGIONS
 7 <130> FILE REFERENCE: 87534-2800
 9 <140> CURRENT APPLICATION NUMBER: 09/858,349
 C--> 10 <141> CURRENT FILING DATE: 2000-06-02
 12 <160> NUMBER OF SEQ ID NOS: 16
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 411
 18 <212> TYPE: DNA
 19 <213> ORGANISM: mouse hybridoma specific for H-2D + RGPGRAFVTI peptide
 21 <220> FEATURE:
 22 <221> NAME/KEY: misc_feature
 23 <222> LOCATION: (295)..(320)
 24 <223> OTHER INFORMATION: a or g or c or t/u *OK*
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 32 tttccaggaa acaaaactgga atggatgggc tacataagct acgatggtag caataactac 180
 34 aacccatctc tcaaaaatcg aatctccatc actcgtgaca catctaagaa ccagtttttc 240
 W--> 36 ctgaagttga attctgtgac tactgaggac acagccacat attactgtgc aagarnknknk 300
 W--> 38 nnknknknkn knknknknkn kgactactgg ggccaaggga ccaactgtcac cgtcgcggcc 360
 40 gcaggtgcgc cggtgccgta tccggatccg ctggaaccgc gtgccgcata g 411
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 44 <211> LENGTH: 136
 45 <212> TYPE: PRT
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 49 <221> NAME/KEY: MISC_FEATURE
 50 <222> LOCATION: (99)..(107)
 51 <223> OTHER INFORMATION: variable *OK*
 54 <400> SEQUENCE: 2
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 57 1 5 10 15
 60 Ser Leu Ser Leu Thr Cys Ser Val Thr Gly Tyr Ser Ile Thr Ser Gly
 61 20 25 30
 64 Tyr Tyr Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
 65 35 40 45
 68 Met Gly Tyr Ile Ser Tyr Asp Gly Ser Asn Asn Tyr Asn Pro Ser Leu
 69 50 55 60
 72 Lys Asn Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
 73 65 70 75 80
 76 Leu Lys Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
 77 85 90 95
 W--> 80 Ala Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Tyr Trp Gly Gln
 81 100 105 110
 84 Gly Thr Thr Val Thr Val Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro

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85          115          120          125
88 Asp Pro Leu Glu Pro Arg Ala Ala
89          130          135
92 <210> SEQ ID NO: 3
93 <211> LENGTH: 10
94 <212> TYPE: PRT
95 <213> ORGANISM: mouse hybridoma specific for H-2D + RGPGRAFVTI peptide
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99 Arg Gly Pro Gly Arg Ala Phe Val Thr Ile
100 1          5          10
103 <210> SEQ ID NO: 4
104 <211> LENGTH: 54
105 <212> TYPE: DNA
106 <213> ORGANISM: sfiI5' OK
108 <400> SEQUENCE: 4
109 aaggaaaaaa aaggcccagc cggccgatgt ccagctgcag gagtcaggac cggc          54
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113 <211> LENGTH: 100
114 <212> TYPE: DNA
115 <213> ORGANISM: NotI3' oligonucleotide OK
117 <220> FEATURE:
118 <221> NAME/KEY: misc_feature
119 <222> LOCATION: (51)..(76)
120 <223> OTHER INFORMATION: a or c or g or t/u
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W--> 126 nnnnnnnnnnnn nnnnnntctt gcacagtaat atgtggctgt          100
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131 <212> TYPE: PRT
132 <213> ORGANISM: phage clone with randomized VH gene inserted
134 <220> FEATURE:
135 <221> NAME/KEY: MISC_FEATURE
136 <222> LOCATION: (2)..(2)
137 <223> OTHER INFORMATION: a hydrophilic residue though this may not be a exclusive
requirem
138          ent
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148 <211> LENGTH: 9
149 <212> TYPE: PRT
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154 Phe Pro Thr Gly Asp Leu Ala Glu Lys
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158 <210> SEQ ID NO: 8
159 <211> LENGTH: 9
160 <212> TYPE: PRT

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 165 Asn Gly Lys Ser Pro Gln Ala Ala Trp
 166 1 5
 169 <210> SEQ ID NO: 9
 170 <211> LENGTH: 9
 171 <212> TYPE: PRT
 172 <213> ORGANISM: phage clone with randomized VH gene inserted
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 176 Gln Ser Gly Gln Ser Pro Gln Ser Ile
 177 1 5
 180 <210> SEQ ID NO: 10
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 182 <212> TYPE: PRT
 183 <213> ORGANISM: phage clone with randomized VH gene inserted
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 188 1 5
 191 <210> SEQ ID NO: 11
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 193 <212> TYPE: PRT
 194 <213> ORGANISM: phage clone with randomized VH gene inserted
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 198 Trp Ala Lys Gly Arg Ser Thr Met Tyr
 199 1 5
 202 <210> SEQ ID NO: 12
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 204 <212> TYPE: PRT
 205 <213> ORGANISM: phage clone with randomized VH gene inserted
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 213 <210> SEQ ID NO: 13
 214 <211> LENGTH: 34
 215 <212> TYPE: DNA
 216 <213> ORGANISM: pET-21 a VH5'NdeI
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 219 gggaattcca tatggatgtc cagctgcagg agtc 34
 222 <210> SEQ ID NO: 14
 223 <211> LENGTH: 34
 224 <212> TYPE: DNA
 225 <213> ORGANISM: pET-21aVH3' XhoI
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 231 <210> SEQ ID NO: 15
 232 <211> LENGTH: 9
 233 <212> TYPE: PRT
 234 <213> ORGANISM: phage clone with randomized VH gene inserted
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238 His Ala Gln Arg Arg Pro Trp Ile Arg

239 1 5

242 <210> SEQ ID NO: 16

243 <211> LENGTH: 9

244 <212> TYPE: PRT

245 <213> ORGANISM: phage clone with randomized VH gene inserted

247 <400> SEQUENCE: 16

249 Glu Asp Pro His Pro Gln Arg Gly Tyr

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/858,349

DATE: 08/08/2001

TIME: 11:11:41

Input Set : A:\87534-2800.ST25.txt

Output Set: N:\CRF3\08082001\I858349.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6